

AMENDMENTS TO THE CLAIMS:

Claim 1 (Currently amended): An electrochemical biosensor comprising:
an electrode support substrate,
electrodes positioned on the electrode support substrate,
a sensor support substrate coupled to the electrode support substrate, the sensor support substrate having a first surface, and opposite second surface facing the electrode support substrate, and notches extending between the first and second surfaces, each notch being aligned with a portion of one electrode,
a capillary channel, at least a portion of the electrodes being positioned in the capillary channel, and
electrically conductive tracks positioned on the first surface of the sensor support substrate, a portion of each track extending from the first surface into at least one notch and being in electrical communication with one of the electrodes.

Claim 2 (Cancelled).

Claim 3 (Currently amended): The biosensor of claim 2 1 wherein the electrodes cooperate to define an electrode array and leads extending from the array and each notch is aligned with at least a portion of one lead.

Claim 4 (Original): The biosensor of claim 1 wherein the electrodes cooperate to define spaced-apart electrode arrays.

Claim 5 (Currently amended): The biosensor of claim + 4 wherein the sensor support substrate is formed to include an opening in alignment with one of the electrode arrays.

Claim 6 (Original): The biosensor of claim 1 wherein the tracks are formed to include layers.

Claim 7 (Original): The biosensor of claim 6 wherein one layer is silver ink.

Claim 8 (Original): The biosensor of claim 6 wherein one layer is carbon ink.

Claim 9 (Original): The biosensor of claim 6 wherein the electrodes are gold.

Claim 10 (Original): The biosensor of claim 1 wherein the sensor support substrate is formed to include an opening in alignment with at least a portion of the electrodes.

Claim 11 (Original): The biosensor of claim 10 further comprising a cover substrate coupled to the sensor support substrate.

Claim 12 (Currently amended): The biosensor of claim 11 wherein the cover substrate, sensor support substrate, and electrode support substrate cooperate with one another to define a channel and at least a portion of the electrodes are positioned in the channel.

Claim 13 (Currently amended): The biosensor of claim 1 wherein the electrode support substrate and the sensor support substrate cooperate to define a channel and at least a portion of the electrodes are positioned in the channel.

Claim 14 (Original): The biosensor of claim 13 wherein the sensor support substrate is formed to include an opening in alignment with the channel.

Claim 15 (Original): A biosensor comprising:

a metallized electrode support substrate being formed to define an electrode array and leads extending from the array,

a sensor support substrate coupled to the electrode support substrate, the sensor support substrate being formed to include notches and an opening, at least a portion of each notch being aligned with one lead and the opening being spaced-apart from the leads, and

03/09/2004 15:03 2197644070

LAW OFFICE J WOODBUR

PAGE 06

electrically conductive tracks positioned on the sensor support substrate, each track extending across one of the notches and into engagement with one lead.

Claim 16 (Original): The biosensor of claim 15 wherein the tracks are formed to include layers.

Claim 17 (Original): The biosensor of claim 16 wherein one layer is silver ink.

Claim 18 (Original): The biosensor of claim 16 wherein one layer is carbon ink.

Claim 19 (Original): The biosensor of claim 16 wherein the electrode array and leads are gold.

Claim 20 (Original): The biosensor of claim 16 further comprising a cover substrate coupled to the sensor support substrate and extending across the electrode array.

Claims 21-24 (Cancelled).

Claim 25 (New): A biosensor comprising:

an electrode support substrate being formed to define an electrode array and leads extending from the array,

a sensor support substrate positioned on the electrode support substrate, the sensor support substrate being formed to include notches and an opening, at least a portion of each notch being aligned with one lead and the opening being spaced-apart from the leads, and

electrically conductive tracks positioned on the sensor support substrate, each track extending across one of the notches and into engagement with one lead.

Claim 26 (New): The biosensor of claim 25 wherein the tracks are formed to include layers.

Claim 27 (New): The biosensor of claim 26 wherein one layer is silver ink.

Claim 28 (New): The biosensor of claim 26 wherein one layer is carbon ink.

Claim 29 (New): The biosensor of claim 26 wherein the electrode array and leads are gold.

Claim 30 (New): The biosensor of claim 26 further comprising a cover substrate coupled to the sensor support substrate and extending across the electrode array.